



1FW

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In the Matter of the Application of: F. Liu

For: Apparatus, Methods and Articles of Manufacture for Pre-Emphasis  
Filtering of a Modulated Signal

Serial No.: 10/663,136 Filed: September 16, 2003

Examiner: Unknown Group Art Unit: 2817

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on May 25, 2004.

*Paula Capriglione*  
Paula Capriglione

**INFORMATION DISCLOSURE STATEMENT TRANSMITTAL LETTER**

Sir:

In fulfilling the duty of candor and good faith, the following documents are hereby disclosed to the Patent Office in accordance with 37 CFR § 1.56. It is not admitted that the information in the listed documents is material to patentability as defined in 37 CFR § 1.56(b). The Examiner is requested to consider the documents in the examination of this application.

An Information Disclosure Statement by Applicant (PTO Form 1449) is submitted herewith, in duplicate, pursuant to 37 CFR §§1.97-1.98. The Examiner is requested to return an initialed and signed copy of the form once the documents have been considered.

The enclosed statement is being filed before the mailing date of a first Office Action on the merits.

The documents listed on the accompanying Form PTO-1449 were cited by the European Patent Office in the International Search Report for International

10/633,136  
18098 US

Application No. PCT/US03/31845 which is a counterpart for this application. The documents were cited in categories "X" ("document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone") and "A" ("document defining the general state of the art which is not considered to be of particular relevance"). A copy of the International Search Report is attached.

A copy of each of the documents is being submitted.

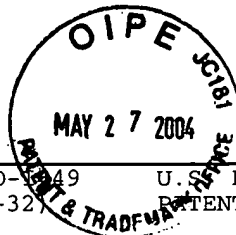
If a fee is due in connection with this communication the Commissioner is authorized to charge any fee or additional fee due in connection with this communication to Deposit Account No. 23-1950.

Respectfully submitted,

F. Liu  
Applicant

By:

  
Michael Aronoff  
Registration No. 37,770  
Attorney for Applicant  
Phone: (302) 633-2770  
Facsimile: (302) 633-2776

FORM PTO-149 U.S. DEPARTMENT OF COMMERCE  
(Rev. 2-32) PATENT AND TRADEMARK OFFICEATTY. / DOCKET NO. / SERIAL NO.  
MA / 18098 / 10/663,136INFORMATION DISCLOSURE  
STATEMENT BY APPLICANTAPPLICANT  
F. LiuFILING DATE / GROUP  
9/16/03 / 2817

## U. S. PATENT DOCUMENTS

EXAM INIT		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FIL. DATE
	AA	6,324,220	11/01	Sellars	375	296	2/00
	AB	6,335,767	1/02	Twitchell et al.	348	608	5/99
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRNS Y/N
	AK	GB 2 373 420 A	9/02	Great Britain	H04L	25/03	
	AL	EP 1 122 893 A1	8/01	Europe	H04B	7/005	
	AM						
	AN						
	AO						

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	AP		
	AR		
	AS		

Examiner:

Date Considered:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.